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Application Serial Number: 10/632,949
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Date Processed by STIC: 8-13-03

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U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

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Revised 04/24/2003



OIEP

RAW SEQUENCE LISTING

DATE: 08/13/2003

PATENT APPLICATION: US/10/632,949

TIME: 08:42:52

Input Set : N:\FANTU\10632949.txt

Output Set: N:\CRF4\08132003\J632949.raw

3 <110> APPLICANT: TOYO SUISAN KAISHA, LTD.
 4 ISHIMA, Masahiro
 5 YOSHIDA, Tsutomu
 6 YAMAZAKI, Takayuki
 7 SUGAWARA, Fumio
 8 HATTA, Kiyoshige
 9 SHIMOJOE, Manabu
 10 MASAKI, Kazuyoshi
 12 <120> TITLE OF INVENTION: NOVEL PEPTIDES, DERIVATIVES THEREOF, PROCESS FOR
 13 PRODUCING THE SAME, NOVEL STRAIN PRODUCING THE SAME,
 14 AND ANTIVIRAL AGENT COMPRISING THE SAME AS ACTIVE
 15 INGREDIENT
 17 <130> FILE REFERENCE: 01S1531P
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/632,949
 C--> 20 <141> CURRENT FILING DATE: 2003-07-31
 22 <150> PRIOR APPLICATION NUMBER: JP2001-032729
 23 <151> PRIOR FILING DATE: 2001-02-08
 25 <160> NUMBER OF SEQ ID NOS: 6
 27 <170> SOFTWARE: PatentIn Ver. 2.0
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 14
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Pseudomonas sp.
 34 <400> SEQUENCE: 1
 35 Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile
 36 1 5 10
 38 <220> FEATURE:
 39 <221> NAME/KEY: SITE
 40 <222> LOCATION: (7) and (14)
 41 <223> OTHER INFORMATION: The hydroxy group of Ser at (7) and the carboxylic group of
 Ile at (14)
 42 esterified to make a cyclic structure
 44 <220> FEATURE:
 45 <221> NAME/KEY: SITE
 46 <222> LOCATION: (1)
 47 <223> OTHER INFORMATION: a 3-hydroxy decanoyl group is bonded to the amino group of
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 49 <210> SEQ ID NO: 2
 50 <211> LENGTH: 14
 51 <212> TYPE: PRT
 52 <213> ORGANISM: Pseudomonas sp.
 54 <400> SEQUENCE: 2
 55 Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile
 56 1 5 10

2207 - 2237
 sections must be
 above 4007

58 <220> FEATURE:.

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Input Set : N:\FANTU\10632949.txt

Output Set: N:\CRF4\08132003\J632949.raw

59 <221> NAME/KEY: MUTAGEN
60 <222> LOCATION: (3), (6), (11), (13)
61 <223> OTHER INFORMATION: Each of the Gln's at (3), (6), (11), (13) is modified to Dbu,
which is
62 2,4-diaminobutyric acid
64 <220> FEATURE:
65 <221> NAME/KEY: SITE
66 <222> LOCATION: (7) and (14)
67 <223> OTHER INFORMATION: The hydroxy group of Ser at (7) and the carboxylic group of
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68 esterified to make a cyclic structure
70 <220> FEATURE:
71 <221> NAME/KEY: SITE
72 <222> LOCATION: (1)
73 <223> OTHER INFORMATION: a 3-hydroxy decanoyl group is bonded to the amino group of
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76 <211> LENGTH: 14
77 <212> TYPE: PRT
78 <213> ORGANISM: Pseudomonas sp.
80 <400> SEQUENCE: 3
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82 1 5 10
84 <220> FEATURE:
85 <221> NAME/KEY: MUTAGEN
86 <222> LOCATION: (3), (6), (11), (13)
87 <223> OTHER INFORMATION: Each of the Gln's at (3), (6), (11), (13) is modified to Dbu,
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88 2,4-diaminobutyric acid
90 <220> FEATURE:
91 <221> NAME/KEY: SITE
92 <222> LOCATION: (1)
93 <223> OTHER INFORMATION: a 3-hydroxy decanoyl group is bonded to the amino group of
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96 <211> LENGTH: 14
97 <212> TYPE: PRT
98 <213> ORGANISM: Pseudomonas sp.
100 <400> SEQUENCE: 4
101 Leu Glu Gln Val Leu Gln Ser Val Val Leu Gln Leu Gln Leu
102 1 5 10
104 <220> FEATURE:
105 <221> NAME/KEY: SITE
106 <222> LOCATION: (7) and (14)
107 <223> OTHER INFORMATION: The hydroxy group of Ser at (7) and the carboxylic group of
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108 (14) esterified to make a cyclic structure
110 <220> FEATURE:
111 <221> NAME/KEY: SITE
112 <222> LOCATION: (1)
113 <223> OTHER INFORMATION: a 3-hydroxy decanoyl group is bonded to the amino group of
Leu (1)
115 <210> SEQ ID NO: 5

116 <211> LENGTH: 14
117 <212> TYPE: PRT
118 <213> ORGANISM: *Pseudomonas* sp.

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Input Set : N:\FANTU\10632949.txt

Output Set: N:\CRF4\08132003\J632949.raw

120 <400> SEQUENCE: 5
121 Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile
122 1 5 10
124 <220> FEATURE:
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126 <222> LOCATION: (7) and (14)
127 <223> OTHER INFORMATION: The hydroxy group of Ser at (7) and the carboxylic group of
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131 <221> NAME/KEY: SITE
132 <222> LOCATION: (1)
133 <223> OTHER INFORMATION: a 3-hydroxydodec-5-enoyl group is bonded to the amino group
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134 (1)
136 <210> SEQ ID NO: 6
137 <211> LENGTH: 14
138 <212> TYPE: PRT
139 <213> ORGANISM: Pseudomonas sp.
141 <400> SEQUENCE: 6
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143 1 5 10
145 <220> FEATURE:
146 <221> NAME/KEY: MUTAGEN
147 <222> LOCATION: (2)
148 <223> OTHER INFORMATION: Glu at (2) is alkylated
150 <220> FEATURE:
151 <221> NAME/KEY: SITE
152 <222> LOCATION: (7) and (14)
153 <223> OTHER INFORMATION: The hydroxy group of Ser at (7) and the carboxylic group of
Ile at (14)
154 esterified to make a cyclic structure
156 <220> FEATURE:
157 <221> NAME/KEY: SITE
158 <222> LOCATION: (1)
159 <223> OTHER INFORMATION: 3-hydroxy decanoyl group is bonded to the amino group of Leu
(1)
164 1

VERIFICATION SUMMARY

PATENT APPLICATION: **US/10/632,949**

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L:19 M:270 C: Current Application Number differs, Replaced Current Application Number
L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date